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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/567,714	10/03/2006	Pavel 1. Lazarev	071199	4034	
38834 7590 (3/04/2009) WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW			EXAM	EXAMINER	
			PRITCHETT, JOSHUA L		
SUITE 700 WASHINGTO	N. DC 20036	ART UNIT	PAPER NUMBER		
			2872		
			MAIL DATE	DELIVERY MODE	
			03/04/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)
10/567,714	LAZAREV ET AL.
Examiner	Art Unit
JOSHUA L. PRITCHETT	2872

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS.

- WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
- after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.

Any	Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).				
Status					
1)	Responsive to communication(s) filed on				
2a)□	This action is FINAL . 2b)⊠ This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Disposit	ion of Claims				
4)🖂	Claim(s) <u>1-27</u> is/are pending in the application.				
	4a) Of the above claim(s) is/are withdrawn from consideration.				
5)	Claim(s) is/are allowed.				
6)🖂	Claim(s) <u>1-3</u> is/are rejected.				
7)🖂	Claim(s) <u>4-27</u> is/are objected to.				
8)	Claim(s) are subject to restriction and/or election requirement.				

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 07 February 2006 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ACKIN	owiedgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a)∏ All	b) Some * c) None of:
1.	Certified copies of the priority documents have been received.
2.	Certified copies of the priority documents have been received in Application No.

 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachi	nent	(S

1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO/SE/08) Paper No(s)/Mail Date 9/07,2/06.

4) Interview Summary (PTO-413) Paper No(s)/Mail Date.

 Notice of Informal Patent Application. 6) Other:

Art Unit: 2872

DETAILED ACTION

Claim Objections

Claims 4-27 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend from another multiple independent claim. See MPEP § 608.01(n). Accordingly, the claims 4-27 not been further treated on the merits.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior at are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lazarev (US 2003/0161022) in view of Sato (US 6,833,957). Examiner notes the inventive entity for the Lazarev reference is not the same as the current application. The prior art reference includes inventor Sulimov and the current application includes inventor Palto. Both inventors are mutually exclusive.

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Regarding claim 1, Lazarev teaches an interferential optical filter comprising multiple layers having at least one electro-optical material, the electro-optical material is anisotropic and made from at least one aromatic organic material, molecules or fragments of molecules of which have a flat structure and at least part of the layer has a crystalline structure with an intermolecular spacing of 3.4±0.2 Angstroms along one of the optical axes (abstract). Lazarev lacks the claimed refractive indexes. Sato teaches a multilayer filter responsive to an external electric field (abstract) wherein the refractive index and the thickness of each layer and their combination are selected such as to provide an interference extremum in at least one region of the spectrum for at least one polarization of incident light (abstract). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the Lazarev invention include the refractive indexes and layers of Sato for the purpose of narrowing the transmission band of the optical filter.

Regarding claim 2, Lazarev teaches the anisotropic electro-optical material is treated with ions of two and three valence metals (claim 3).

Regarding claim 3, Lazarev teaches the molecules of the aromatic organic material contains heterocycles (claim 4).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JOSHUA L. PRITCHETT whose telephone number is (571)272-2318. The examiner can normally be reached on Monday - Friday 7:00 - 3:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephone B. Allen can be reached on 571-272-2434. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Joshua L Pritchett/ Primary Examiner Art Unit 2872